



Proposed Actions
Residential Neighborhood Bordering Cornell-Dubilier

1. Background

PCBs have been detected in soils and interior house dust at residential properties located on Spicer Avenue between Hamilton Boulevard and Belmont Avenue. Regional Risk Assessors have prepared a draft screening level risk assessment that identifies four homes where exposures exceed removal program risk criteria.

In a verbal consultation ATSDR has determined that a health concerns exist for residents of three of the homes sampled, that there is no health concern at one of the homes sampled and that additional information is required to make a definitive health call for the remaining twelve homes. Additional information required includes concentration of contaminants in dust over time and the location of contaminants relative to high use areas of the property.

Based on current data we are not able to attribute contamination within homes to a specific source or identify the contaminant migration pathway. Possible sources/pathways include: fugitive dust emissions from the site entering homes directly through open windows, doors and ventilation systems; tracking of PCB into the home from the yard; and other unknown sources and migration pathways. Response actions to permanently address the risks to residents can not be taken until the source of contamination and the contaminant migration pathway are identified.

The extent of contamination in the residential neighborhood bordering the site has not been defined.

2. Proposed Actions

a. Investigations at the homes of residents determined to be at risk

Additional investigations will be conducted to i) identify the source and pathway of contaminant migration into the homes and ii) monitor contaminant concentrations in dust over time. Data gathered will be used to refine risk assessments and to develop plans to permanently address health threats to residents. This investigation will be initiated prior to implementation of interim actions and will include:

- i. a survey to identify any common factors shared by residents at risk that may account for the migration of contaminants into the home;
- ii. collection and analysis of dust samples from inside the house, outside the house and ventilation systems.
- iii. collect surface soil samples at outfall from roof drains or drip lines to test airborne contaminant distribution hypothesis.

b. Interim action at homes of residents determined to be at risk

- i. A removal action will be conducted to clean the homes of residents determined to be at risk (ATSDR health concerns are a subset of this

- group). This action will include the vacuuming of all floors and upholstery, a non-solvent wipe down of all accessible hard surface, and cleaning of air ducts.
 - ii. Dust samples will be collected after cleaning to determine the effectiveness of dust removal. A second round of post-cleaning dust sampling will be conducted approximately 3 months later to insure that contaminant levels are acceptable. Composite samples of the dust removed from the house during cleaning will be collected and analyzed to determine the average concentration of PCBs in the home.
 - iii. A soil removal action will be conducted at one home where PCB contaminated soils in the yard appear to be a source of interior contamination. Soil removal may be recommended at additional properties as additional information regarding the source and pathway of contaminant migration is obtained.
- c. Interim action at other homes sampled
Cleaning and sampling will also be offered to residents of other homes where additional information is required prior to making a health call. .
- d. Sampling within neighborhood to identify additional impacts
Additional sampling will be conducted in the residential neighborhood to identify residents potentially at risk.
- i. Soil and interior dust samples for screening level risk assessment will be collected at residential properties adjacent to "at risk properties", including properties located:
 - (1) on the north side of Delmore Avenue between Fulton Street and Hamilton Boulevard (12 homes); and
 - (2) on Hamilton Boulevard between Lakeview Avenue and Amboy Avenue (2 single family homes and 3 multi family homes).
 - ii. Screening soil samples will be collected at 100 foot spacing from:
 - (1) an area bounded on the north by Delmore, on the east by Belmont on the south by Arlington and the east by Hamilton (36 samples);
 - (2) the north side of Delmore Avenue, between Fulton Street and Belmont Avenue(7 samples);
 - (3) the east side of Belmont Avenue between Delmore Avenue and Metuchen Road (14 samples); and
 - (4) the north side of Hancock Street between the Conrail Tracks and Delmore Avenue (13 homes).
 - iii. Results of screening soil samples will be evaluated to determine if additional sampling is necessary to delineate the extent of contamination or assess risk.

Interiors

Risk Characterization	Proposed Actions	Properties
Health Concern	<ul style="list-style-type: none"> Clean Interiors Re-Sample 	500 Garabaldi 507 Hamilton 204 Spicer
No action necessary based on current levels in interiors (ATSDR recommends collecting additional interior samples to confirm contaminant levels)	<ul style="list-style-type: none"> Offer Cleaning Re-Sample 	501 Garabaldi 108 Spicer 130 Spicer 214 Spicer 305 Spicer (to be confirmed) 320 Spicer (if no children<6)
No Data	<ul style="list-style-type: none"> Offer Sampling Again 	311 Delmore 501 Hamilton 345 Metuchen 336 Spicer
No Health Concern	<ul style="list-style-type: none"> No Action 	210 Spicer 228 Spicer 233 Delmore

Exteriors

Risk Characterization	Proposed Actions	Properties
Health Concern	<ul style="list-style-type: none"> • Soil removal at 204 Spicer • Advise regarding soil exposure • Sample to confirm source/migration pathway • Evaluate for further action 	500 Garabaldi 507 Hamilton 204 Spicer
Potential Health Concern	<ul style="list-style-type: none"> • Advise regarding soil exposure • Collect data necessary to refine risk assessment • Re-evaluate for risk 	233 Delmore 311 Delmore 501 Garabaldi 501 Hamilton 345 Metuchen 210 Spicer 214 Spicer 305 Spicer 320 Spicer 336 Spicer
No Health Concern	<ul style="list-style-type: none"> • No Action 	108 Spicer 130 Spicer 228 Spicer



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Figure 2: Sample Location Map

